

Claims

What is claimed is:

- 1 1. A method, comprising:
2 repeating first data to provide first repeated data and deleting second
3 repeated data to provide second data according to a programmed standard
4 included in a first apparatus and selected from a first plurality of
5 reprogrammable standards.
- 1 2. The method of claim 1, further comprising:
2 reprogramming the first apparatus to operate in accordance with a second
3 plurality of reprogrammable standards including the programmed standard; and
4 repeating the first data and deleting the second repeated data according to the
5 programmed standard included in the second plurality of reprogrammable
6 standards included in the first apparatus.
- 1 3. The method of claim 1, further comprising:
2 programming reconfigurable logic included in the first apparatus to
3 include at least the programmed standard selected from the first plurality of
4 reprogrammable standards.
- 1 4. The method of claim 1, wherein the first apparatus includes reconfigurable
2 logic having at least one of a state machine-based rate matcher and a table-
3 based rate matcher.
- 1 5. The method of claim 4, wherein the reconfigurable logic includes at least
2 one of a state machine-based rate matcher and at least one of a table-based
3 rate matcher.

1 6. The method of claim 1, further comprising:
2 repeating the second data to provide the second repeated data and deleting
3 the first repeated data to provide the first data according to the programmed
4 standard selected from a second plurality of reprogrammable standards included
5 in a second apparatus.

1 7. The method of claim 6, further comprising:
2 reprogramming the second apparatus to operate in accordance with a third
3 plurality of reprogrammable standards including the programmed standard; and
4 repeating the second data to provide the second repeated data and deleting the
5 first repeated data to provide the first data according to the programmed
6 standard selected from the third plurality of reprogrammable standards included
7 in the second apparatus.

1 8. The method of claim 6, further comprising:
2 transmitting, from the first apparatus, the first repeated data to the second
3 apparatus.

1 9. An article comprising a machine-accessible medium having associated data,
2 wherein the data, when accessed, results in a machine performing:
3 puncturing first data to transmit first punctured data and depuncturing second
4 punctured data to provide second data according to a programmed standard
5 included in a first apparatus and selected from a first plurality of
6 reprogrammable standards.

1 10. The article of claim 9, wherein the data, when accessed, results in the
2 machine performing:
3 puncturing the second data to transmit the second punctured data and
4 depuncturing the first punctured data to provide the first data according to the

5 programmed standard included in a second apparatus and selected from a second
6 plurality of reprogrammable standards.

1 11. The article of claim 10, wherein the data, when accessed, results in the
2 machine performing:
3 receiving, at the second apparatus, the first punctured data transmitted by the
4 first apparatus.

1 12. An apparatus, comprising:
2 a rate matcher pattern generator having an operational mode selectable between
3 a repeat transmission mode and a depuncture reception mode.

1 13. The apparatus of claim 12, further comprising:
2 a multiplexer coupled to the rate matcher pattern generator to select between
3 input data and repeated data.

1 14. The apparatus of claim 13, further comprising:
2 a wireless transmitter coupled to the multiplexer to transmit the repeated
3 data.

1 15. The apparatus of claim 12, further comprising:
2 a multiplexer coupled to the rate matcher pattern generator to select between
3 input data and depunctured data.

1 16. The apparatus of claim 15, further comprising:
2 a wireless receiver coupled to the multiplexer to provide the input data.

1 17. An apparatus, comprising:
2 a rate matcher pattern generator configurable to operate in a mode selectable
3 between a delete reception mode and a puncture transmission mode.

- 1 18. The apparatus of claim 17, wherein the rate matcher pattern generator can be
2 configured to include a state machine to implement a rule-based standard.
- 1 19. The apparatus of claim 17, wherein the rate matcher pattern generator can be
2 configured to include a look up table to implement a table-based standard.
- 1 20. The apparatus of claim 17, further comprising:
2 a wireless transmitter coupled to the rate matcher pattern generator to
3 transmit punctured data provided in the puncture transmission mode.
- 1 21. The apparatus of claim 20, further comprising:
2 a first-in first-out memory coupled to the rate matcher pattern generator and
3 to the wireless transmitter, the first-in first-out memory to store the punctured
4 data.
- 1 22. The apparatus of claim 17, further comprising:
2 a wireless receiver coupled to the rate matcher pattern generator to provide
3 input data in the delete reception mode.
- 1 23. A system, comprising:
2 reconfigurable logic;
3 a transmitter coupled to the reconfigurable logic to repeat first data to
4 provide first repeated data;
5 a receiver coupled to the reconfigurable logic to delete second repeated data
6 to provide second data according to a programmed standard included in the
7 reconfigurable logic and selected from a plurality of reprogrammable standards;
8 and
9 a dipole antenna to couple to the receiver.

- 1 24. The system of claim 23, wherein the dipole antenna is to couple to the
2 transmitter.
- 1 25. The system of claim 23, wherein the reconfigurable logic comprises:
2 a rate matcher pattern generator configurable to operate in a mode selectable
3 between a repeat transmission mode and a depuncture reception mode.
- 1 26. A system, comprising:
2 reconfigurable logic;
3 a transmitter coupled to the reconfigurable logic to puncture first data to
4 transmit first punctured data; and
5 a receiver coupled to the reconfigurable logic to depuncture second
6 punctured data to provide second data according to a programmed standard
7 selected from a plurality of reprogrammable standards; and
8 a dipole antenna to couple to the receiver.
- 1 27. The system of claim 26, further comprising:
2 a wireless energy emission device coupled to the transmitter.
- 1 28. The system of claim 26, wherein the reconfigurable logic comprises:
2 a rate matcher pattern generator configurable to operate in a mode selectable
3 between a delete reception mode and a puncture transmission mode.